## PATENT COOPERATION TREATY

## **PCT**

## TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 04R00839				FOR FURTHER A	CTION	See Form PCT/IPEA/416				
International application No.				International filing dat	e (day/month/year)	Priority date (day/month/year)				
PCT/JP2004/019573			9573	27.12.2004	4	16.01.2004				
Internati	ional Pa	tent Classificat	ion (IPC) or nati	onal classification and I	PC	ı				
G09G5/00, G09G5/22, G06F3/16, G10L13/00										
	Applicant SHARP KABUSHIKI KAISHA									
1.	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.									
2.	This R	REPORT consis	sts of a total of	6	sheets, including	g this cover sheet.				
3.	This re	eport is also ac	companied by A	NNEXES, comprising:						
	a. 🛭	(sent to th	he applicant and	to the International Bur	reau) a total of 3	sheets, as follows:				
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental									
	. г	Box		D						
	b	(sent to th	ne International .	Bureau only) a total of (	indicate type and number	r of electronic carrier(s))				
	, containing a sequence listing and/or tables									
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4.	This re	eport contains i	indications relati	ng to the following item	s:					
	$\boxtimes$	Box No. I	Basis of the	report						
		Box No. II	Priority							
		Box No. III	Non-establi	shment of opinion with	regard to novelty, inventi	ive step and industrial applicability				
		Box No. IV	Lack of uni	ty of invention						
	$\boxtimes$	Box No. V		tatement under Article 3 d explanations supportin	•	lty, inventive step or industrial applicability;				
	Box No. VI Certain documents cited									
		Box No. VII	Certain defe	ects in the international a	application					
	Box No. VIII Certain observations on the international application									
Date of	submiss	ion of the dem	and	1:	Date of completion of thi	is report				
Name and mailing address of the IPEA/JP					Authorized officer					
Facsimile No.				Telephone No.						

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/019573

Box	No. I	Basis of the report							
1.		n regard to the language, this report is based on the internacated under this item.	tional application in the language in which	ch it was filed, unless otherwise					
		This report is based on translations from the original lang which is the language of a translation furnished for the p	· · · · · · · · · · · · · · · · · · ·	,					
		international search (Rule 12.3 and 23.1(b))							
		publication of the international application (Rule 1	2.4)						
		international preliminary examination (Rule 55.2 a	nd/or 55.3)						
2.	rece		ard to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been furnished to the coeffice in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to rt):						
		the international application as originally filed/furnished							
	$\boxtimes$	the description:							
		pages <u>1-25</u>		as originally filed/furnished					
		pages*							
		pages*	received by this Authority on						
	$\boxtimes$	the claims:							
		2-5, 7-10, 12-14 nos.		as originally filed/furnished					
			as amended (together wi						
		nos.*		•					
		nos.*							
	$\square$	·							
		the drawings:							
		sheets*	received by this Authority on						
	$\overline{}$	sheets*	received by this Authority on						
	$\sqcup$	a sequence listing and/or any related table(s) – see Suppl	$a \ sequence \ listing \ and/or \ any \ related \ table(s)-see \ Supplemental \ Box \ Relating \ to \ Sequence \ Listing.$						
3.	Ш	The amendments have resulted in the cancellation of:							
		the description, pages							
		the claims, nos.	the claims, nos.						
		the drawings, sheets/figs							
		the sequence listing (specify):							
		any table(s) related to sequence listing (specify):							
4.		This report has been established as if (some of) the amethy have been considered to go beyond the disclosure as							
		the description, pages							
		the claims, nos.							
			the drawings, sheets/figs						
*	If ite	em 4 applies, some or all of those sheets may be marked "s	uperseded."						

International application No.	
PCT/JP2004/019573	

вох		ment under Article 35(2) with regard to novelty, inventive step or industrial applicability; (planations supporting such statement	
1.	Statement		
	Novelty (N)	Claims 1-14	YES
		Claims	
	Inventive step (IS)	Claims	YES
		Claims 1-14	
	Industrial applicability (IA	) Claims 1-14	YES
		Claims	
2.	Citations and applications (Po	1. 70.7)	
۷.	Citations and explanations (Ru		
		JP 11-331407 A (NEC Shizuoka, Ltd.), 30	
		November 1999, paragraphs [0033] to [0039]	
		and fig. 1	
		JP 5-100645 A (Hitachi, Ltd.), 23 April	
		1993, claim 6; paragraphs [0006], [0008]	
		and [0010]; and fig. 1 and 3	
		JP 9-51511 A (Mitsubishi Electric Corp.), 18	
		February 1997, paragraphs [0016] to [0053]	
		and fig. 1 to 9	
		JP 2000-187470 A (Sharp Corp.), 04 July	
		2000, abstract; paragraphs [0023] to	
		[0036]; and fig. 1 to 3	
	Document 5: 3	JP 2003-108079 A (Sharp Corp.), 11 April	
		2003, paragraphs [0001] and [0027] to	
		[0054], and fig. 1 and 2	
	Document 6: 3	JP 2003-244784 A (Sharp Corp.), 29 August	
		2003, paragraphs [0048] to [0050], [0055]	
		to [0059] and [0064] to [0067]; and fig. 16	
		to 20, 24 and 25 & WO 03/69950 A1 & AU	
		2003/211934 A1 & EP 1475988 A1	
	Document 7: 3	JP 2003-78117 A (Canon Inc.), 14 March 2003,	
		entire text, all drawings	
	Document 8: 3	JP 2003-282885 A (Sharp Corp.), 03 October	

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2003, entire text, all drawings & US

2003/183876 A1 & FR 2837980 A1 & CN 1450649

A & KR 03/77410 A

Document 9: JP 10-333667 A (NEC Shizuoka Ltd.), 18

December 1998

Document 10: JP 2001-125559 A (NEC Corp.), 11 May 2001

Document 11: JP 11-352950 A (Toshiba Corp.), 24 December 1999

The inventions set forth in claims 1 and 13 do not involve an inventive step in the light of documents 1 to 3, 9 and 10 cited in the international search report. Character code input units for receiving character code inputs from an external device are well known, as disclosed in documents 9 and 10, and thus it would have been easy for a person skilled in the art to conceive of employing such a character code input unit as the character code input unit in the inventions disclosed in documents 1 to 3.

The invention set forth in claim 2 does not involve an inventive step in the light of documents 2, 9 and 10. Document 2 indicates that the "image information that is input from the image input unit and the text information that is input from the handwriting input unit are superposed for display" (paragraph [0012] and fig. 6).

The invention set forth in claim 3 does not involve an inventive step in the light of documents 2, 9 and 10 in combination with documents 4 and 5, which are cited in the international search report. It would have been easy for a person skilled in the art to conceive of applying either of the well-known techniques that are disclosed in documents 4 and 5 as the method for superposing the sets

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

of information for display in the invention disclosed in document 2.

The inventions set forth in claims 4, 5 and 7 do not involve an inventive step in the light of documents 1 to 3, 9 and 10 in combination with document 6, which is cited in the international search report. It would have been easy for a person skilled in the art to conceive of employing the configuration that is disclosed in document 6 as the configuration of the display unit in the inventions disclosed in documents 1 to 3.

The invention set forth in claim 6 does not involve an inventive step in the light of documents 1 and 2 in combination with document 11, which is cited in the international search report. Document 1 discloses a method for inputting character signals, wherein the character signals are input by means of "hand-written inputs to a touch panel." Such being the case, the invention disclosed in document 1 is considered to include a section for subjecting the image signals from the touch panel to a character recognition process in order to output character signals. Meanwhile, the invention disclosed in document 2 is equipped with both an image signal input unit and a character recognition unit. Furthermore, the technical feature of "providing an image signal input unit, which receives the image signal inputs from an external device, and a character recognition unit, which extracts the characters that are included within said image signals, recognizes said characters and then converts said characters to corresponding character codes," is well known in the technical field pertaining to "information display devices," as disclosed in document 11 for example.

PCT/JP2004/019573

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Consequently, it would have been easy for a person skilled in the art to configure the invention set forth in claim 6 by applying the abovementioned well-known image signal input unit and the abovementioned well-known technique for extracting character information in the configurations disclosed in documents 1 and 2.

The inventions set forth in claims 8 to 11 and 14 do not involve an inventive step in the light of documents 1, 2, 6 and 11. The features set forth in claims 8 to 11 and 14 are all disclosed in document 6.

The invention set forth in claim 12 does not involve an inventive step in the light of documents 1 to 3 and 6 to 11. It would have been easy for a person skilled in the art to conceive of employing either of the well-known techniques that are disclosed in documents 7 and 8 as the method for attaching a functional element to the thin film substrate in the inventions disclosed in documents 1 to 3.